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# PATENT SPECIFICATION

164,247

Application Date: June 17, 1920. No. 16,439/20.

Complete Left: July 23, 1920.

Complete Accepted: June 9, 1921.



## PROVISIONAL SPECIFICATION.

### Improvements in and relating to Ticket Nippers.

I, JOSEPH CAIN, of 25, North Road, Seven Kings, Essex, British subject, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to ticket nippers and has reference to nippers of the kind employed on railway and like systems for the purpose of cancelling tickets.

10 Nippers as at present in general use do nothing more than indicate the cancellation of the ticket and the object of the present invention is to provide such nippers with means whereby the ordinary operation of nipping the ticket will indicate upon the ticket not only that the ticket has been cancelled but will afford evidence from which the day upon which the cancellation was effected can be deduced.

20 The invention consists broadly in providing the nippers with an adjustable member carrying numbers or symbols so associated with the nippers that the operation of nipping the ticket will leave on the nipped ticket an impression of a particular number or symbol.

30 In accordance with one practical embodiment of the invention I provide upon the operative end of the nippers adjacent to the nipping member a circular plate or anvil upon the surface of which there is formed or embossed impressions of the numerals 1 to 7. This circular plate or anvil is pivotally mounted so as to be capable of rotation and means are provided for preventing accidental displacement of the plate or anvil from its position of adjustment. This means may, consist, for example, of a spring

[ Price 1/-]

plunger adapted to co-operate with depressions on the underside or periphery of the plate or anvil and the arrangement is such that the impression whatever particular figure or symbol is adjusted to operative position will be impressed upon the ticket simultaneously with the ordinary nipping operation.

45 The numerals will each indicate a particular day of the week as for example, the numeral "1" may indicate "Monday" "2" "Tuesday", "3" "Wednesday" and so on. It thus follows that a nipped ticket which has the numeral "2" impressed on its back will be a ticket which had been cancelled on a Tuesday and the numeral "2" will afford positive evidence of this fact. Thus supposing that a passenger gives up on a Thursday a ticket having a numeral other than a "4" impressed on it it will be at once apparent that the passenger is fraudulently using the ticket since there is upon it direct evidence that it had been previously used on a Tuesday and assuming that the date of issue of the ticket was a Tuesday the evidence of fraud would be complete and undeniable.

65 It will thus be clear that the foregoing invention will largely assist in the detection of the more or less common fraud of using the return half of a ticket on several occasions.

Dated this 17th day of June, 1920.

A. A. THORNTON,  
Chartered Patent Agent,  
Quality Court, Chancery Lane, London,  
W.C. 2,  
75 For the Applicant.

## COMPLETE SPECIFICATION.

## Improvements in and relating to Ticket Nippers.

I, JOSEPH CAIN, of 25, North Road, Seven Kings, Essex, British subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to ticket nippers and has reference to nippers of the kind employed on railways and like systems for the purpose of cancelling tickets, the nippers being of the kind provided with means whereby the ordinary operation of nipping the ticket will indicate upon the ticket, not only that the ticket has been cancelled but will afford evidence from which the day upon which the cancellation was effected can be deduced.

Heretofore it has been proposed to provide the marking portion of the nippers on the edges of a series of rotatable discs provided with means whereby any of the indicating numbers or letters on the discs can be brought into marking position and secured in such position.

According to the present invention the indicating numbers, figures or symbols are arranged on the face of a plate or disc mounted on a vertical pivot on one of the ticket engaging faces of the nipper jaws so as to be rotatable in a plane parallel to the axis of the hinge of the nippers.

In the accompanying drawings I have illustrated an embodiment of my invention as applied to a ticket nipper of the ordinary construction. In these drawings Fig. 1 is a perspective view of a pair of nippers constructed in accordance with the invention, Fig. 2 is a longitudinal section thereof.

Referring to these drawings I provide upon the operative end of the nippers *a* adjacent to the nipping member a circular plate or anvil *b* upon the surface of which there is formed or embossed impressions of the numerals 1 to 7. This circular plate or anvil is pivotally mounted upon the pin *c* which may advantageously be a headed pin screwed into the member *f* of the nippers so as to provide for removal and renewal of the anvil when desired. The circular plate or anvil *b* is thus capable of rotation and means are provided for preventing accidental displacement of the plate or anvil from

its position of adjustment. This means may consist, for example, of a spring plunger *d* adapted to co-operate with depressions *e* on the underside of the plate or anvil *b*. The plunger *d* is rounded at the top sufficiently to enable it to be forced out of the depression *e* when the disc or plate *b* is rotated to bring another symbol into marking position, and the arrangement is such that the impression of whatever particular figure or symbol is adjusted to operative position will be impressed upon the ticket simultaneously with the ordinary nipping operation as will be readily understood upon reference to the drawings which show the numeral "6" in operative position.

It may be desirable in certain cases to provide for the positive locking of the anvil *b* in its adjusted position so that it cannot be shifted even by the operator without deliberate intention involving it may be the aid of a key or tool and my invention contemplates the provision of such a locking device if the same should be found desirable. A simple way of effecting this positive locking is to replace the plunger *d* by a set screw screwing through the member *f* into holes such as *e*.

The numerals will each indicate a particular day of the week. For example, the numeral "1" may indicate "Monday", "2" "Tuesday", "3" "Wednesday" and so on. It thus follows that a nipped ticket which has the numeral "2" impressed on its back will be a ticket which had been cancelled on a Tuesday and the numeral "2" will afford positive evidence of this fact. Thus supposing that a passenger gives up on a Thursday a ticket having a numeral other than a "4" impressed on it, it will be at once apparent that the passenger is fraudulently using the ticket since there is upon it direct evidence that it had been previously used on a Tuesday and assuming that the date of issue of the ticket was a Tuesday the evidence of fraud would be complete and undeniable.

It will thus be clear that the foregoing invention will largely assist in the detection of the more or less common fraud of using the return half of a ticket on several occasions.

Having now particularly described and

ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

5 1. Ticket nippers having applied thereto an adjustable device for ensuring the application to the ticket simultaneously with the nipping operation of a  
10 preselected indicating number or symbol for the purpose specified, wherein the indicating numbers, figures or symbols are arranged on the face of a plate or disc mounted on a vertical pivot on one of  
15 the ticket engaging faces of the nipper jaws so as to be rotatable in a plane parallel to the axis of the hinge of the nippers.

2. Ticket nippers according to Claim 1  
20 comprising a plate or anvil having upon its upper face a plurality of impressions of numbers or symbols, and means for

adjustably securing said plate or anvil adjacent the operative end of the nippers in such a position that the impression adjusted to operative position lies beneath  
25 a co-operating member of the nippers so that operation of the nippers on a ticket simultaneously nips the ticket and applies a preselected number or symbol to said ticket substantially as specified. 30

3. Ticket nippers according to Claims 1 or 2 having means for locking the adjustable plate or anvil in its adjusted position.

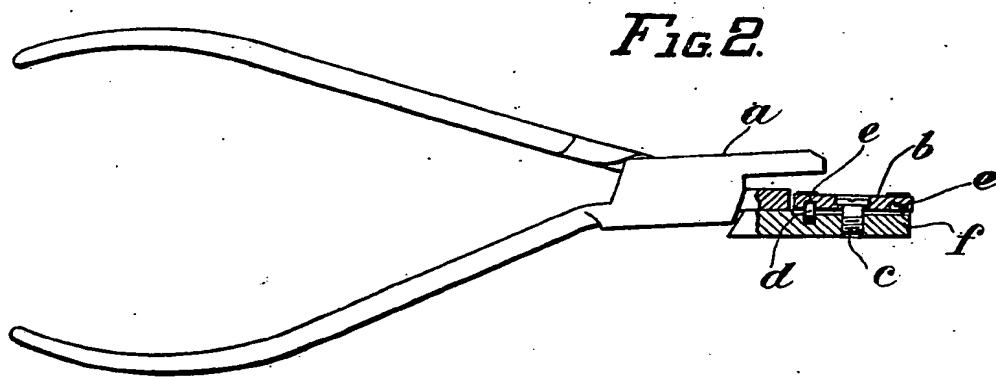
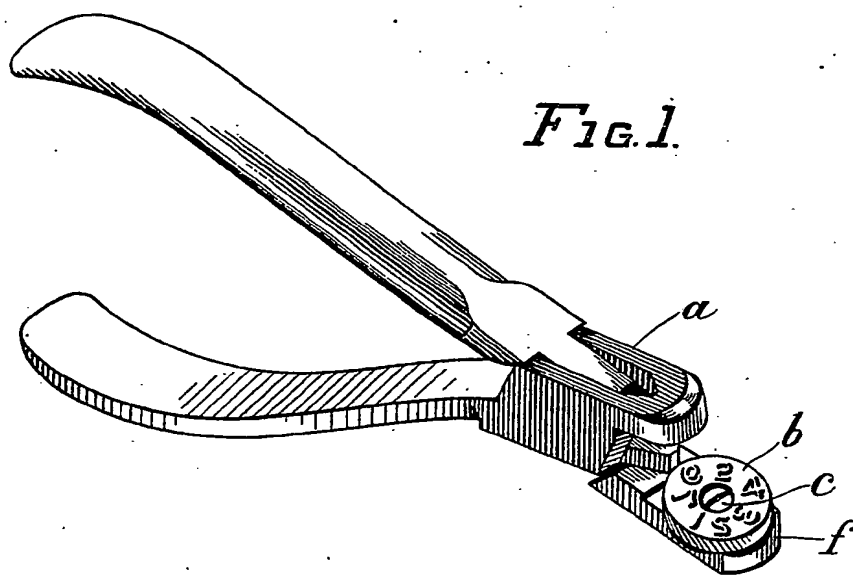
4. The improved ticket nippers substantially as specified. 35

Dated this 23rd day of July, 1920.

A. A. THORNTON,  
Chartered Patent Agent,  
Quality Court, Chancery Lane, London,  
W.C. 2,  
40 For the Applicant.

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